FOCUS Version 7.0   TM7940.1

Subsystem: Installation Modification for FOCUS 7.0.1 Through 7.0.8R

As of FOCUS 7.0.9, updating the MVS subsystem names table as described in this technical memo is strictly optional. The IBI Subsystem may now be started dynamically in MVS 5.2 by using the same technique as was supported in MVS 5.1 and below. As a result, there is no longer a requirement to re-IPL MVS in order to activate the IBI subsystem.

Information Builders recommends that all customers that are using the IBI Subsystem implement the procedure described below for FOCUS 7.0.1 through 7.0.8R.

Affected Release levels:

- MVS release 5.2 and above. This includes OS/390.
- FOCUS Version 7.0, Releases 7.0.1 through 7.0.8R.
- EDA Version 3 Release 1 Maintenance Level 6 and above.

Problem Description

An EDA server or FOCUS product that uses the IBI subsystem on one of the above listed MVS releases may fail to initialize due to system abend code S065 (with return code 4) or S0C1. This problem can be addressed by adding the name of the IBI subsystem to the MVS subsystem names table (IEFSSNxx). Although this new procedure is only required on MVS 5.2 and above, IBI recommends that customers add the IBI subsystem name to the MVS subsystem names table to avoid problems when they upgrade their MVS systems to 5.2 or above.

The IBI subsystem will attempt to dynamically install itself as an MVS subsystem if it has not already been defined to MVS via an entry in the MVS subsystem names table. This feature was provided by IBI as a convenience to avoid having to schedule an IPL to activate the IBI subsystem name. As of MVS release 5.2, IBM provided a feature to dynamically install subsystems. This new IBM feature conflicts with the method used be the IBI subsystem for dynamic subsystem install. This conflict results in the failure of the EDA server or FOCUS product to initialize. Placing the IBI subsystem name into the appropriate SYS1.PARMLIB member will avoid the dynamic install process and the associated system abends. This problem will be fixed in a future releases of FOCUS and EDA.

Installation Modification

The problem described above may be avoided by either adding the IBI subsystem name to the MVS subsystem names table or by modifying the EDA server or FOCUS library to use a pre-existing name instead of the default name, "IBIS".

Problem Description

Adding a new name to the MVS Subsystem Names Table

The default IBI subsystem name is IBIS and can be added to the SYS1.PARMLIB member
IEFSSNxx as follows :-

```
/*-------1---------2---------3---------4--------5---------6
IBIS                          /* IBI SUBSYSTEM NAME */
```

An IPL of the MVS system will be required to activate the newly defined name. The SUBSYSI
utility will have to be run with the START option to load and activate the IBI subsystem.

Using an existing name in the MVS Subsystem Name Table

The member SUBSYSNM in library EDALIB.DATA for EDA, or FOCCTL.DATA for FOCUS,
is sample JCL to change the IBI subsystem name that is used by EDA or FOCUS respectively.
Modify this job to change the IBI subsystem name that EDA or FOCUS uses to a name that
already exists in the MVS subsystem name table but is not currently in use. This method will
avoid the requirement of an IPL of MVS to activate the subsystem.